

**ROCKY FLATS PLANT
 EMD OPERATING
 PROCEDURES MANUAL**

Manual No.: 5-21000-OPS-FO
 Procedure No.: Table of Contents; Rev 47
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 Effective Date: 05/12/93
 Organization: Environmental Management

THIS IS ONE VOLUME OF A SIX VOLUME SET WHICH INCLUDES:

**VOLUME I: FIELD OPERATIONS (FO)
 VOLUME II: GROUNDWATER (GW)
 VOLUME III: GEOTECHNICAL (GT)
 VOLUME IV: SURFACE WATER (SW)
 VOLUME V: ECOLOGY (EE)
 VOLUME VI: AIR (AP)**

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 FOR VOLUME I: FIELD OPERATIONS**

Procedure No.	Title	Rev. No.	Effective Date
FO.01	Air Monitoring and Dust Control	2	05/12/92
FO.02	Transmittal of Field QA Records	3	05/22/92
*DCN 93.01	Working Base Maps	3	05/12/93
FO.03	General Equipment Decontamination	2	05/12/92
DCN 92.01	EXPIRED (Clarification of Decontamination)	2	Expired
DCN 92.02	Update to Clarification of Decontamination	2	12/12/92
DCN 93.01	CPT Rods	2	02/16/93
FO.04	Heavy Equipment Decontamination	2	05/12/92
DCN 92.01	Expired	1	Expired
DCN 92.02	Expired	1	Expired
DCN 92.03	Consistency Change	1	09/18/92
DCN 92.04	Update to Clarification of Decontamination	2	12/17/92
FO.05	Handling of Purge and Development Water	2	05/12/92
FO.06	Handling of Personal Protective Equipment	2	05/12/92
DCN 92.01	Monitoring Change	2	09/18/92
DCN 93.01	Plastic Bagging Modification	2	02/17/93

ADMIN RECORD

**DOCUMENT CLASSIFICATION REVIEW WAIVER
 PER R.B. HOFFMAN, CLASSIFICATION OFFICE
 JUNE 11, 1991**

A-SW-001012

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Procedure No.	Title	Rev. No.	Effective Date
FO.07	Handling of Decontamination Water and Wash Water	2	05/12/92
DCN 92.01	Consistency Change	2	09/18/92
FO.08	Handling of Drilling Fluids and Cuttings	2	05/12/92
DCN 92.04	EXPIRED (Clarification of Drill Cuttings)	2	Expired
DCN 92.05	EXPIRED (Handling of Drilling Fluids and Cuttings)	2	Expired
DCN 92.06	Clarification of Responsibility	2	09/09/92
DCN 92.07	Elimination of Drilling Requirements on Earthen Dams	2	09/10/92
DCN 92.08	Consistency Change	2	09/18/92
DCN 92.09	Clarification of Augering Technique for OU-6	2	10/28/92
DCN 92.10	Improve Tracking of Samples	2	12/07/92
FO.09	Handling of Residual Samples	2	05/12/92
FO.10	Receiving, Labeling, and Handling Environmental Materials Containers	2	05/12/92
DCN 92.03	EXPIRED (Replaced by DCN 93.01 dated 2/10/93)	2	Expired
DCN 92.04	EXPIRED (Decrease in Weekly Inspections) of Gray Drums)	3	Expired
DCN 92.05	Requirement Reduction	2	09/16/92
DCN 92.06	Improve Accountability	2	10/15/92
DCN 92.07	Expired	2	Expired
DCN 92.08	Drum Log F or M Change	2	12/03/92
DCN 93.01	Clarification on Drums (REPLACES DCN 92.03)	2	02/10/93
DCN 93.02	Renewal (DCN 92.07)	2	03/17/93
*DCN 93.03	Number of Drums per Pallet	2	05/11/93
FO.11	Field Communications	2	05/12/92
FO.12	Decontamination Facility Operations	2	05/12/92
DCN 93.01	Tank Inspection Log	2	04/13/93

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FO.13	Containerization, Preserving, Handling and Shipping of Soil and Water Samples	2	05/12/92
DCN 92.01	Chain of Custody	2	07/27/92
DCN 92.02	Improve Tracking of Samples	2	12/08/93
DCN 93.01	Chain of Custody Record	2	02/10/93
FO.14	Field Data Management	2	05/12/92
DCN 92.01	EXPIRED (Update Bottle Codes and Lab Codes to Current Status)	2	Expired
DCN 92.02	Clarification of Biological Locations (07/08/92- Extended)	2	11/20/92
DCN 92.03	Changes in Procedures (07/08/92 - Extended)	2	11/20/92
DCN 92.04	Expired	2	Expired
DCN 92.05	Update QA/QC Code List	2	09/28/92
DCN 92.06	Clarify Description	2	09/28/92
DCN 92.07	Update Bottle Code List	2	09/28/92
DCN 92.08	Add Sub-Contractor Abbreviations	2	10/14/92
DCN 92.09	Major Form Revision	2	11/03/92
DCN 92.10	Elimination of Non-Required Section	2	11/10/92
DCN 92.11	Update Bottle Code & Lab Codes to Current Status	2	12/09/92
DCN 93.01	New Codes	2	01/15/93
DCN 93.02	New Samplers and New Media	2	01/15/93
DCN 93.03	Field Data for RFEDS	2	02/10/93
DCN 93.04	RFEDS Back-up	2	03/18/93
FO.15	Photoionization Detectors (PIDs) and Flame Ionization Detectors (FIDs)	2	05/12/92
FO.16	Field Radiological Measurements	2	05/12/92
DCN 92.04	EXPIRED (Seismic Lines)	1	Expired
DCN 92.05	Addition of HPGe	2	11/24/92
DCN 93.01	FIDLER Surveys	2	01/15/93
FO.17	Determining Out-Of-Specification Analytical Results for Environmental Samples		To Be Added

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Procedure No.	<u>Title</u>	Rev. No.	Effective Date
FO.18	Environmental Sample Radioactivity Content Screening	1	05/12/92
DCN 93.01	Clarification of Procedure	1	01/11/93
FO.19	Base Laboratory Work	2	05/12/92

Title				Date <i>dw</i> 5-12-93		DCN Number 93.01 dw	
Transmittal of Field QA Records							
Expires 5-12-94 dw				Procedure Revision Required <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
Scope Limitation: <u>None</u>							
Item Number	Page	Step or Paragraph	Changes (Use DCN CONTINUATION SHEET for additional space)				
1	6 of 6	Section 8.0	Renumber to Section 9.0				
2	6 of 6	Section 8.0	<p>Add this <u>new</u> section:</p> <p>8.0 WORKING BASE MAPS</p> <p>The subcontracting site manager will maintain working maps at the field base location. All actual, individual sampling locations will be reflected on the maps; several different maps with various scales may be necessary to capture all of the individual sampling points. These maps will be updated with handwritten notations as sampling progresses.</p> <p>All working maps used to indicate actual field sampling locations constitute QA records and will be archived according to this procedure following their use in the field.</p> <p style="text-align: center;">DOCUMENT CLASSIFICATION REVIEW WAIVER PER R.B. HOFFMAN, CLASSIFICATION OFFICE JUNE 11, 1991</p>				
Justification (Reason for change - Provide numbers to reference corresponding items above.) Item 1: N/A Item 2: Working maps must be specifically addressed in the procedures based on their importance for sample data traceability.							
Concurrence	Organization	Req.	Date	Concurrence	Organization	Req.	Date
<i>[Signature]</i>	QAPM	X	5/11/93	<i>[Signature]</i>	User	X	4/29/93
<i>[Signature]</i>	EOM	X	5-3-93	<i>[Signature]</i>	EQS		4/14/93
				<i>[Signature]</i>	US&A		4/30/93
				<i>[Signature]</i>	R&D		5/10/93
Approval of Responsible Manager <i>[Signature]</i>			Date 5/5/93	Is Posting required? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		If Yes, by what date upon receipt	
						Date posted	

MAY 11 1993